

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102620\
 Data File : BF122122.D
 Acq On : 26 Oct 2020 18:40
 Operator : JU/CG
 Sample : L4510-17
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-2

Quant Time: Oct 27 00:55:19 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 26 17:27:32 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

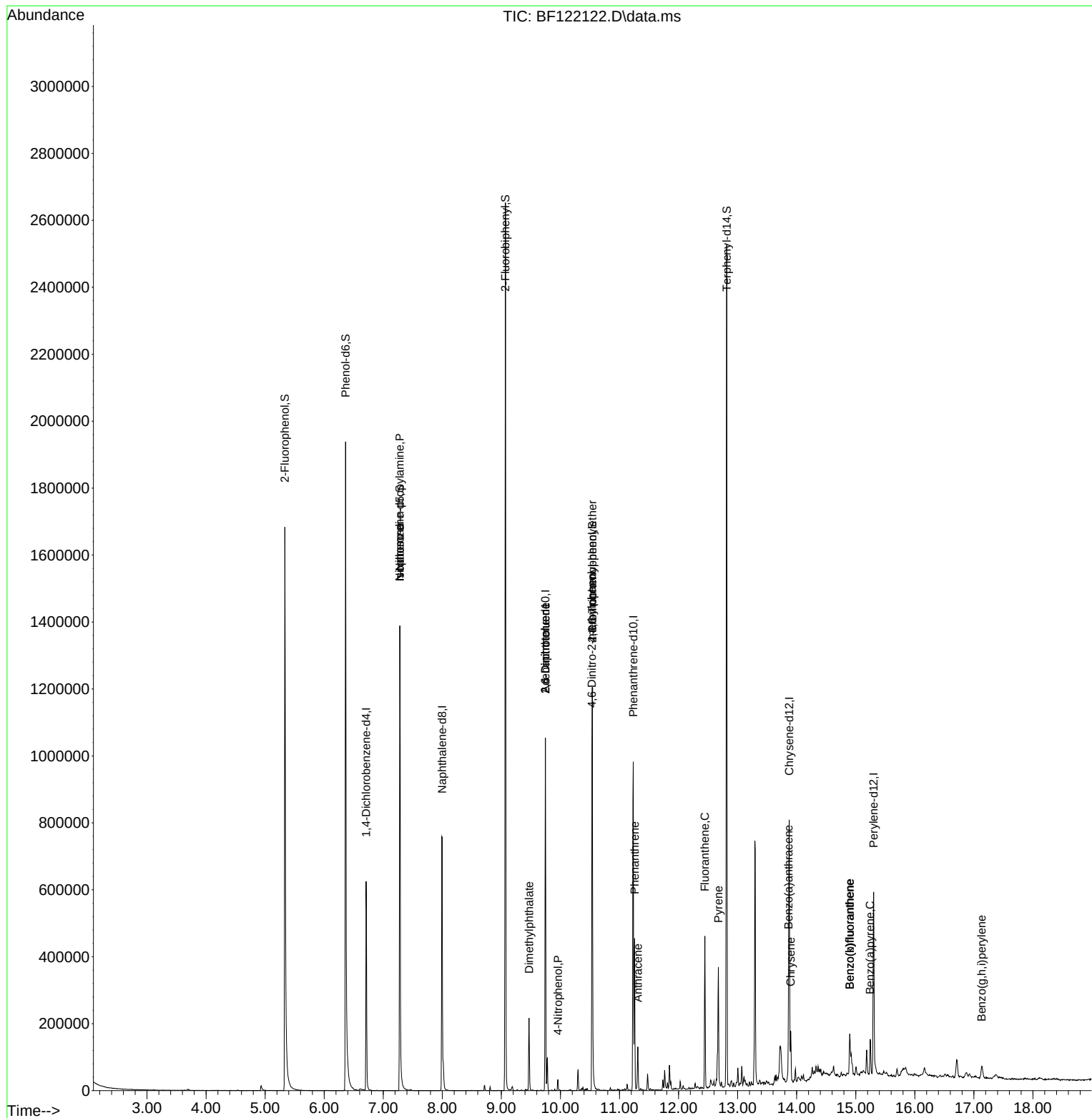
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.710	152	96509	20.00	ng	0.00
21) Naphthalene-d8	7.998	136	379615	20.00	ng	0.00
39) Acenaphthene-d10	9.745	164	195229	20.00	ng	0.00
64) Phenanthrene-d10	11.233	188	363338	20.00	ng	0.00
76) Chrysene-d12	13.874	240	240286	20.00	ng	0.00
86) Perylene-d12	15.304	264	232774	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.334	112	533243	81.55	ng	0.00
7) Phenol-d6	6.363	99	683525	81.20	ng	0.00
23) Nitrobenzene-d5	7.281	82	465298	62.86	ng	0.00
42) 2,4,6-Tribromophenol	10.539	330	159753	66.15	ng	0.00
45) 2-Fluorobiphenyl	9.069	172	781044	58.86	ng	0.00
79) Terphenyl-d14	12.816	244	722487	57.30	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.363	77	813	Below Cal	#	3
19) n-Nitroso-di-n-propyla...	7.281	70	61438	12.82	ng	# 79
25) Isophorone	7.281	82	465322	33.25	ng	# 67
50) Dimethylphthalate	9.469	163	84596	5.93	ng	99
51) 2,6-Dinitrotoluene	9.745	165	24909	7.95	ng	# 21
56) 4-Nitrophenol	9.957	139	5398	2.79	ng	# 10
57) 2,4-Dinitrotoluene	9.745	165	24909	6.46	ng	# 20
65) 4,6-Dinitro-2-methylph...	10.533	198	225	4.52	ng	# 1
67) 4-Bromophenyl-phenylether	10.539	248	9236	2.20	ng	# 1
71) Phenanthrene	11.257	178	170575	8.56	ng	98
72) Anthracene	11.310	178	52223	2.53	ng	97
75) Fluoranthene	12.445	202	171845	8.04	ng	98
78) Pyrene	12.674	202	143798	7.85	ng	98
81) Benzo(a)anthracene	13.863	228	67047	4.26	ng	98
83) Chrysene	13.898	228	52452	3.39	ng	98
88) Benzo(b)fluoranthene	14.898	252	82766	5.26	ng	# 98
89) Benzo(k)fluoranthene	14.898	252	82766	5.54	ng	# 97
90) Benzo(a)pyrene	15.245	252	48022	3.53	ng	98
92) Benzo(g,h,i)perylene	17.133	276	28285	2.27	ng	99

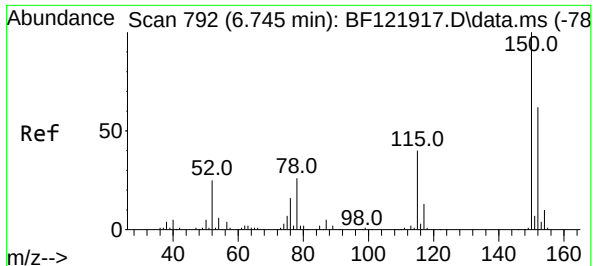
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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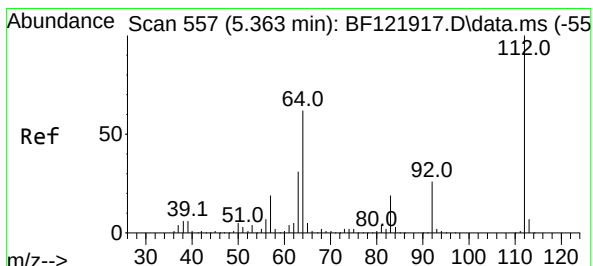
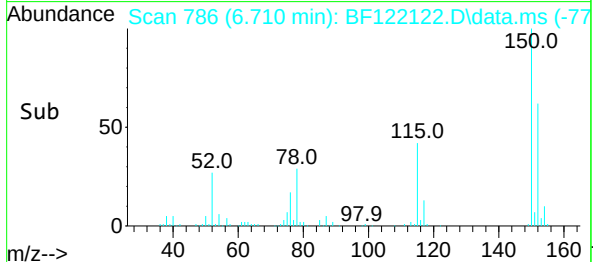
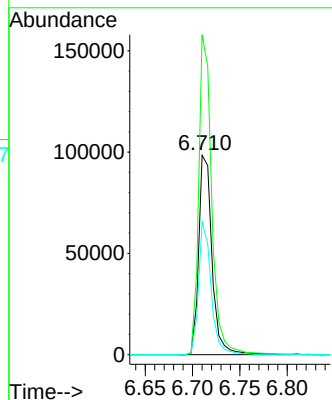
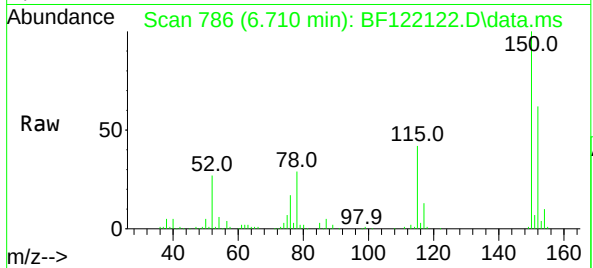




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.710 min Scan# 786
Delta R.T. -0.006 min
Lab File: BF122122.D
Acq: 26 Oct 2020 18:40

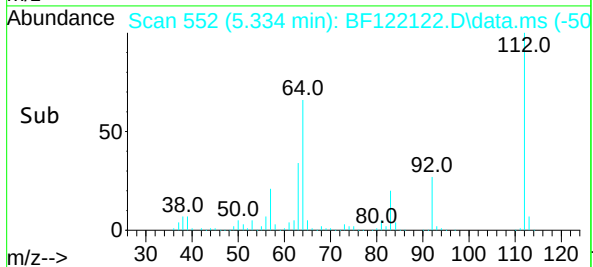
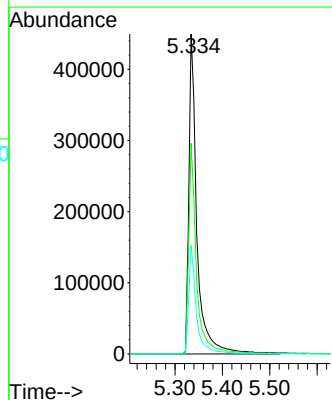
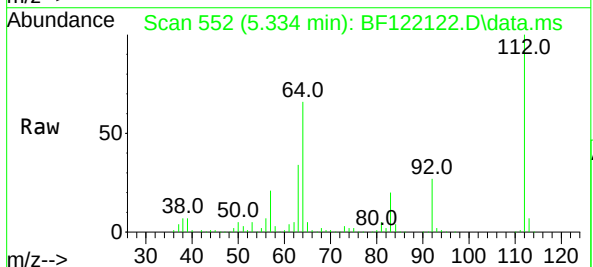
Instrument :
BNA_F
ClientSampled :
COMP-2

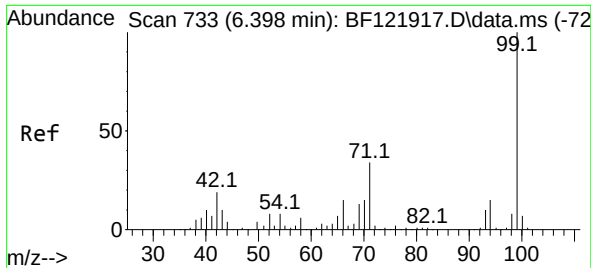
Tgt Ion:152 Resp: 96509
Ion Ratio Lower Upper
152 100
150 160.5 125.3 187.9
115 66.7 51.9 77.9



#5
2-Fluorophenol
Concen: 81.55 ng
RT: 5.334 min Scan# 552
Delta R.T. 0.000 min
Lab File: BF122122.D
Acq: 26 Oct 2020 18:40

Tgt Ion:112 Resp: 533243
Ion Ratio Lower Upper
112 100
64 65.8 50.4 75.6
63 34.0 25.8 38.6

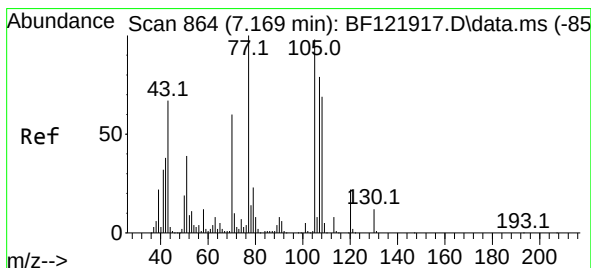
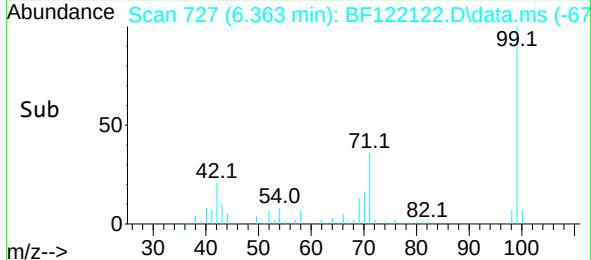
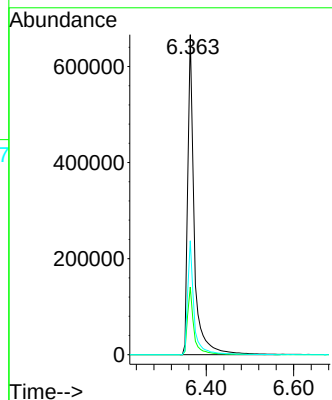
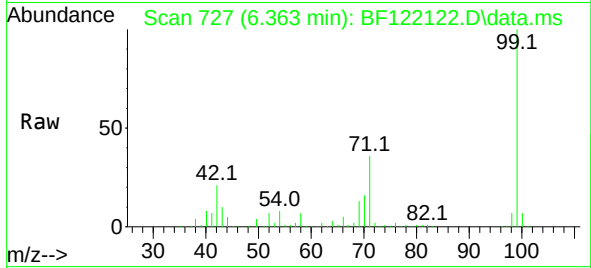




#7
Phenol-d6
Concen: 81.20 ng
RT: 6.363 min Scan# 727
Delta R.T. -0.006 min
Lab File: BF122122.D
Acq: 26 Oct 2020 18:40

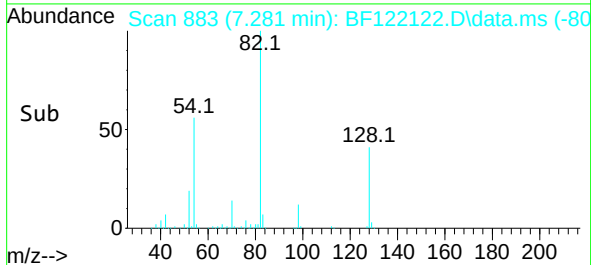
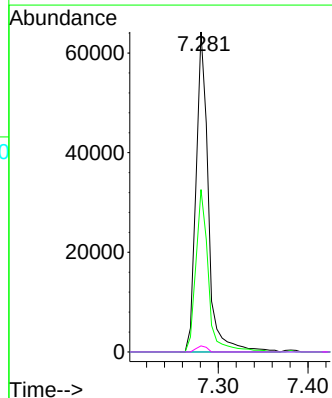
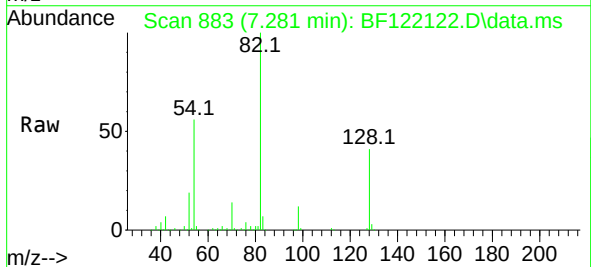
Instrument :
BNA_F
ClientSampleId :
COMP-2

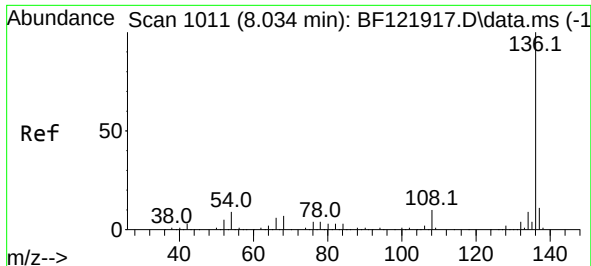
Tgt Ion: 99 Resp: 683525
Ion Ratio Lower Upper
99 100
42 21.2 15.9 23.9
71 35.6 27.1 40.7



#19
n-Nitroso-di-n-propylamine
Concen: 12.82 ng
RT: 7.281 min Scan# 883
Delta R.T. 0.141 min
Lab File: BF122122.D
Acq: 26 Oct 2020 18:40

Tgt Ion: 70 Resp: 61438
Ion Ratio Lower Upper
70 100
42 50.8 50.2 75.4
101 0.0 7.5 11.3#
130 1.9 15.5 23.3#



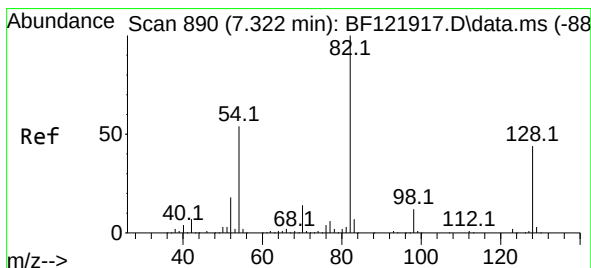
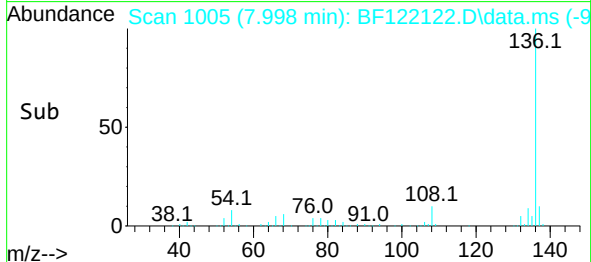
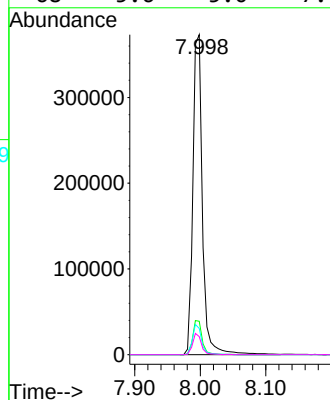
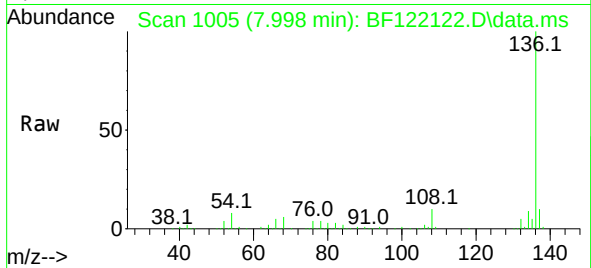


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.998 min Scan# 1005
Delta R.T. 0.000 min
Lab File: BF122122.D
Acq: 26 Oct 2020 18:40

Instrument :
BNA_F
ClientSampleId :
COMP-2

Tgt Ion:136 Resp: 379615

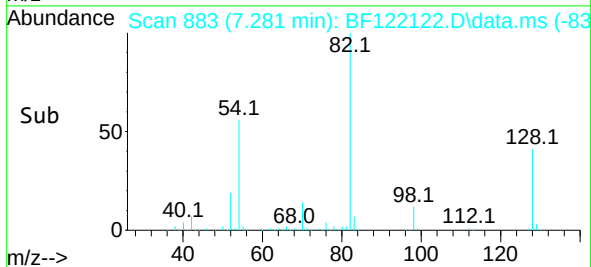
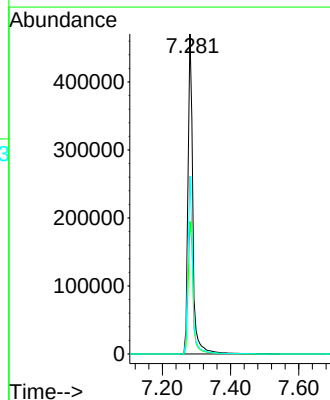
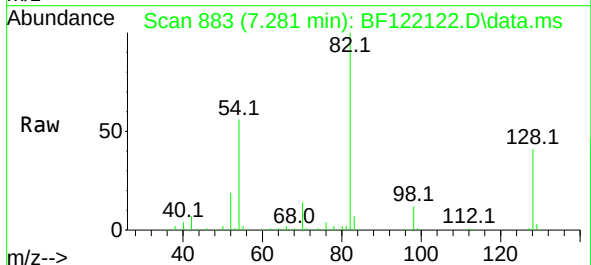
Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.6	13.0
54	8.2	7.1	10.7
68	5.6	5.0	7.4

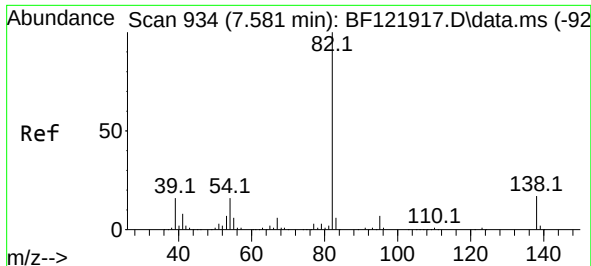


#23
Nitrobenzene-d5
Concen: 62.86 ng
RT: 7.281 min Scan# 883
Delta R.T. -0.006 min
Lab File: BF122122.D
Acq: 26 Oct 2020 18:40

Tgt Ion: 82 Resp: 465298

Ion	Ratio	Lower	Upper
82	100		
128	41.4	35.0	52.4
54	55.6	43.9	65.9

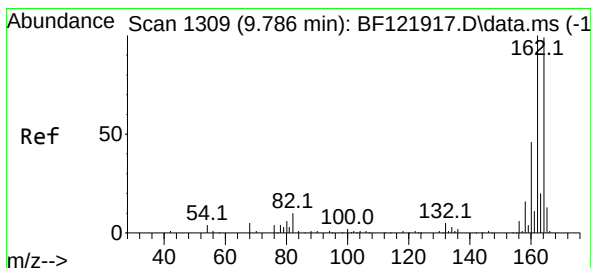
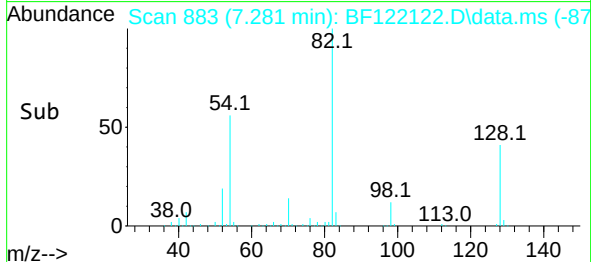
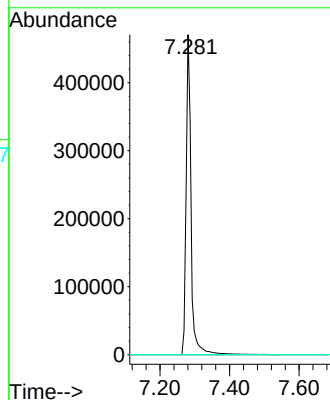
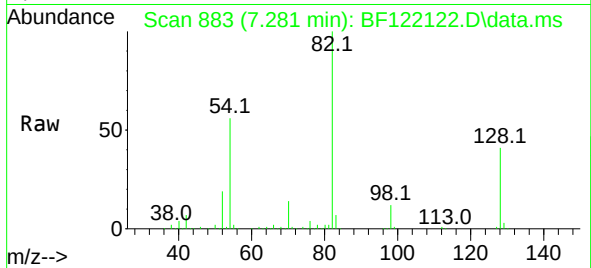




#25
Isophorone
Concen: 33.25 ng
RT: 7.281 min Scan# 883
Delta R.T. -0.265 min
Lab File: BF122122.D
Acq: 26 Oct 2020 18:40

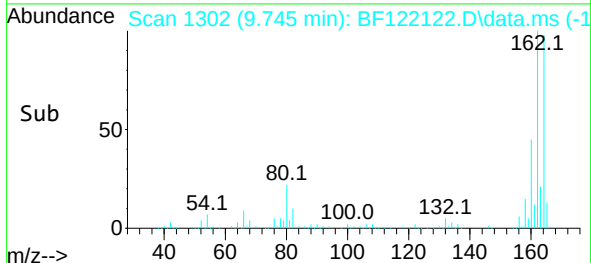
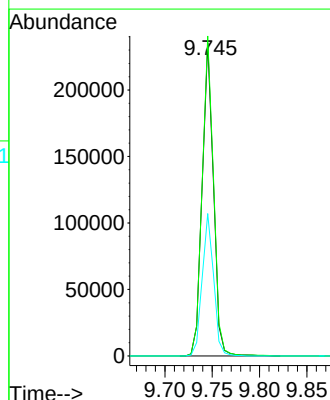
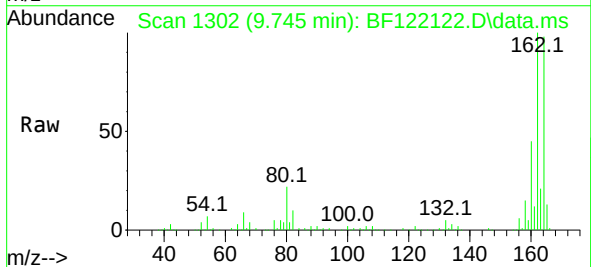
Instrument :
BNA_F
ClientSampleId :
COMP-2

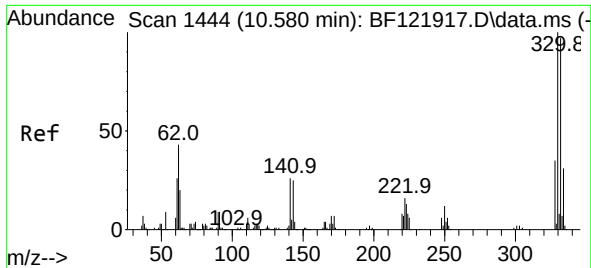
Tgt Ion: 82 Resp: 465322
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 13.4 20.0#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.745 min Scan# 1302
Delta R.T. -0.006 min
Lab File: BF122122.D
Acq: 26 Oct 2020 18:40

Tgt Ion: 164 Resp: 195229
Ion Ratio Lower Upper
164 100
162 102.3 83.2 124.8
160 45.5 37.5 56.3

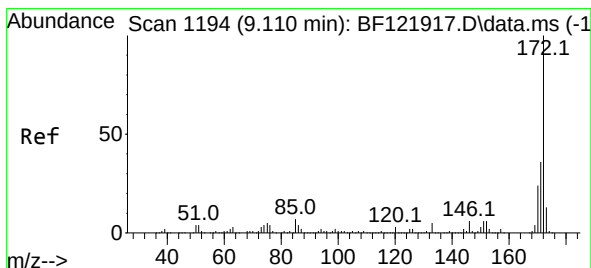
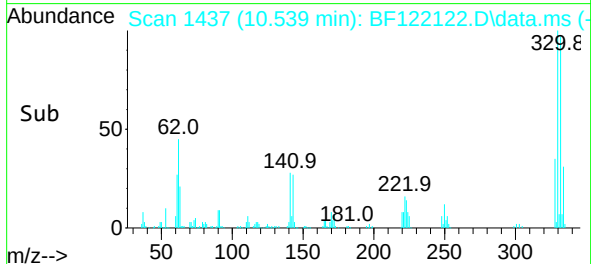
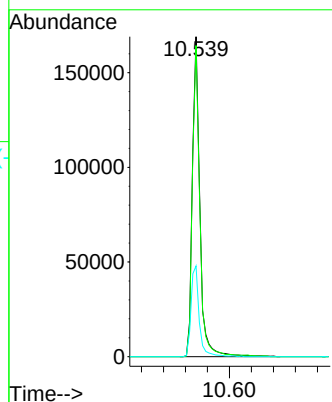
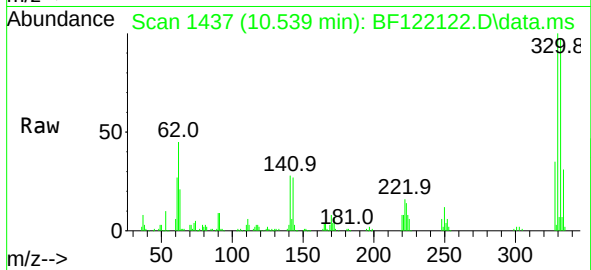




#42
2,4,6-Tribromophenol
Concen: 66.15 ng
RT: 10.539 min Scan# 1437
Delta R.T. -0.006 min
Lab File: BF122122.D
Acq: 26 Oct 2020 18:40

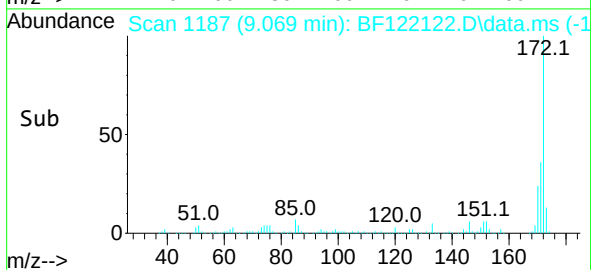
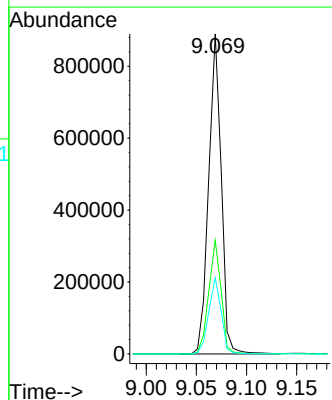
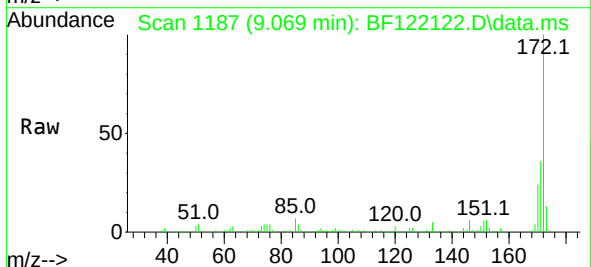
Instrument :
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ClientSampleId :
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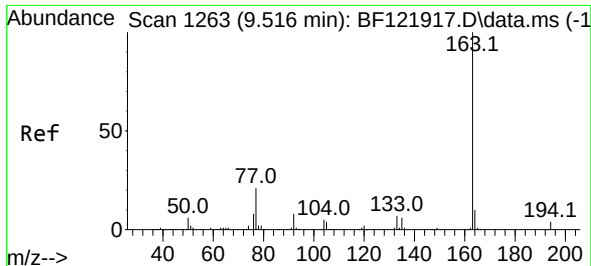
Tgt Ion:330 Resp: 159753
Ion Ratio Lower Upper
330 100
332 96.8 77.3 115.9
141 30.9 22.3 33.5



#45
2-Fluorobiphenyl
Concen: 58.86 ng
RT: 9.069 min Scan# 1187
Delta R.T. -0.006 min
Lab File: BF122122.D
Acq: 26 Oct 2020 18:40

Tgt Ion:172 Resp: 781044
Ion Ratio Lower Upper
172 100
171 35.5 29.1 43.7
170 23.8 19.8 29.6

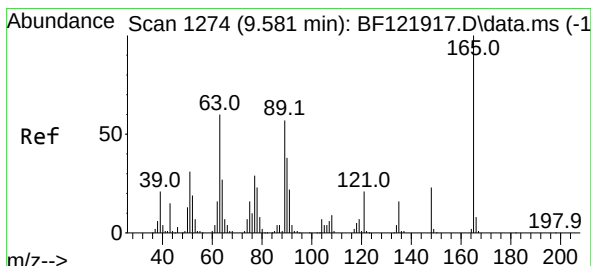
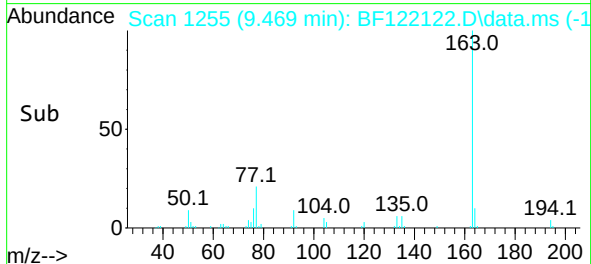
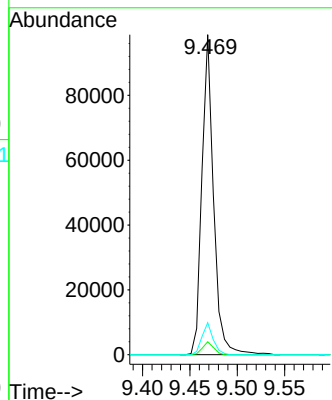
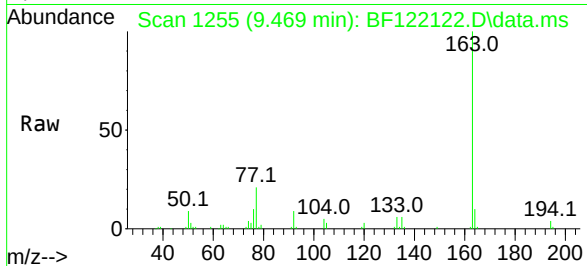




#50
Dimethylphthalate
Concen: 5.93 ng
RT: 9.469 min Scan# 1255
Delta R.T. -0.012 min
Lab File: BF122122.D
Acq: 26 Oct 2020 18:40

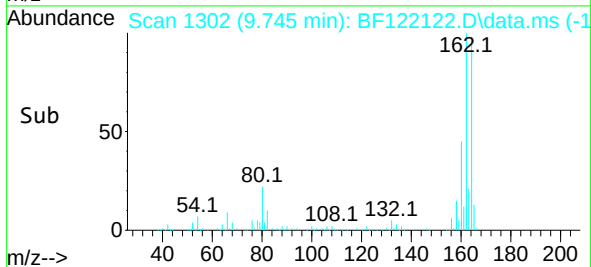
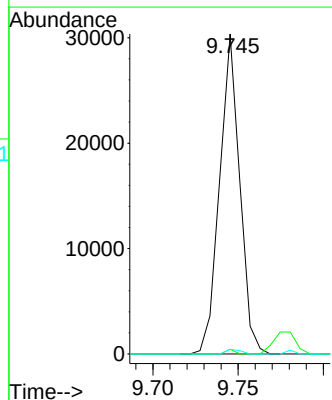
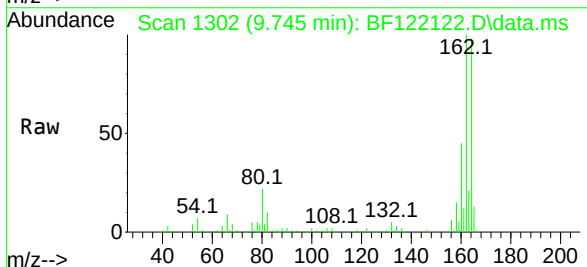
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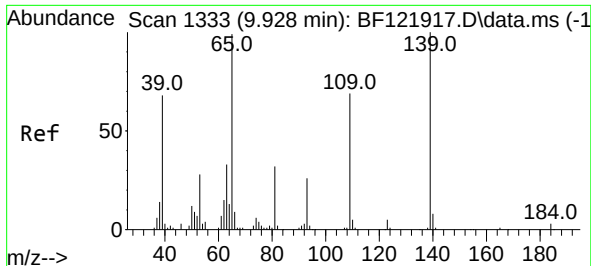
Tgt Ion:163 Resp: 84596
Ion Ratio Lower Upper
163 100
194 4.0 3.3 4.9
164 10.0 8.2 12.4



#51
2,6-Dinitrotoluene
Concen: 7.95 ng
RT: 9.745 min Scan# 1302
Delta R.T. 0.194 min
Lab File: BF122122.D
Acq: 26 Oct 2020 18:40

Tgt Ion:165 Resp: 24909
Ion Ratio Lower Upper
165 100
63 1.4 51.8 77.6#
89 1.5 49.0 73.6#

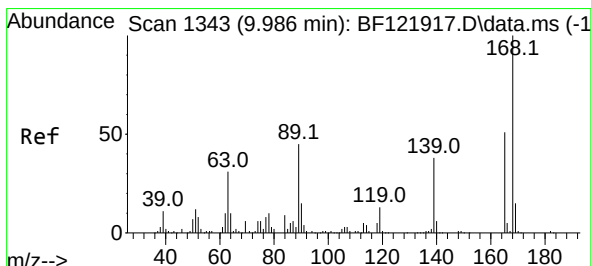
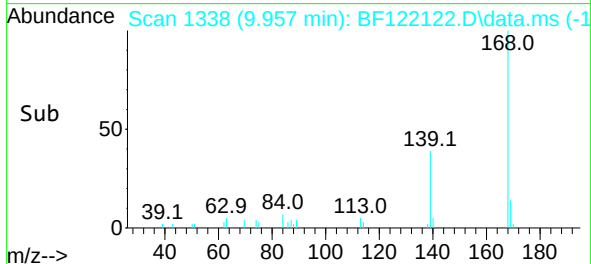
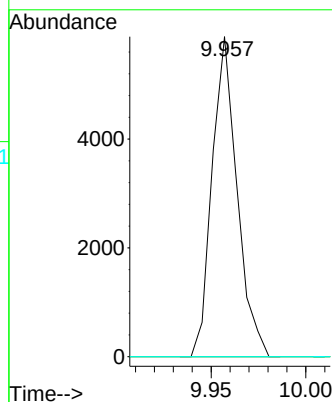
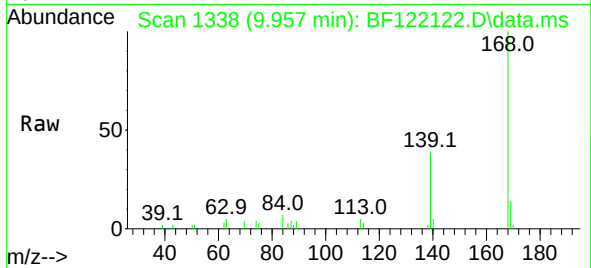




#56
4-Nitrophenol
Concen: 2.79 ng
RT: 9.957 min Scan# 1338
Delta R.T. 0.047 min
Lab File: BF122122.D
Acq: 26 Oct 2020 18:40

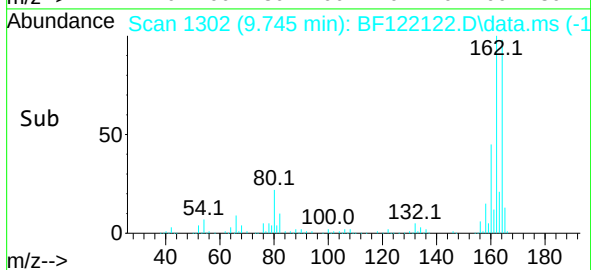
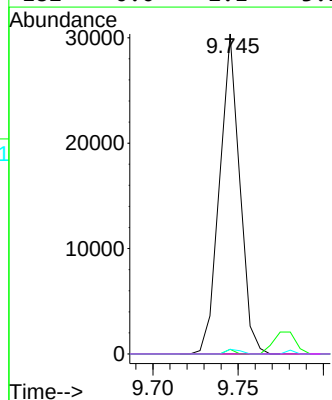
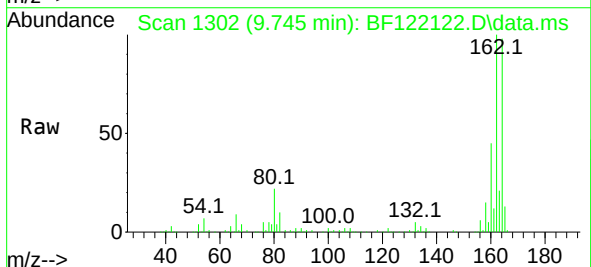
Instrument :
BNA_F
ClientSampled :
COMP-2

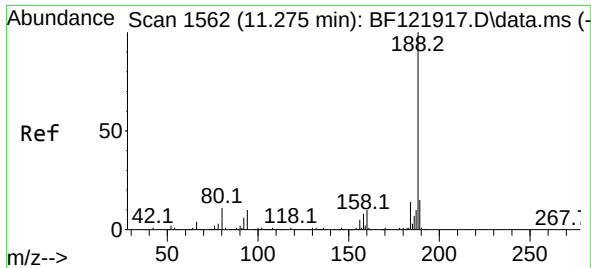
Tgt Ion:139 Resp: 5398
Ion Ratio Lower Upper
139 100
109 0.0 45.4 85.4#
65 0.0 68.4 108.4#



#57
2,4-Dinitrotoluene
Concen: 6.46 ng
RT: 9.745 min Scan# 1302
Delta R.T. -0.218 min
Lab File: BF122122.D
Acq: 26 Oct 2020 18:40

Tgt Ion:165 Resp: 24909
Ion Ratio Lower Upper
165 100
63 1.4 41.3 61.9#
89 1.5 61.8 92.8#
182 0.0 2.1 3.1#

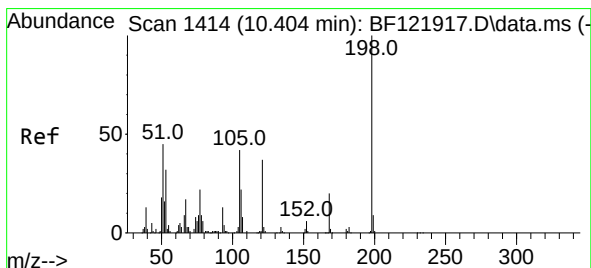
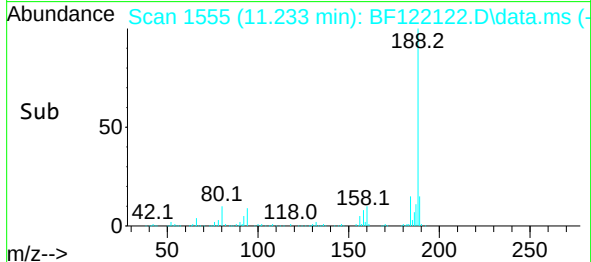
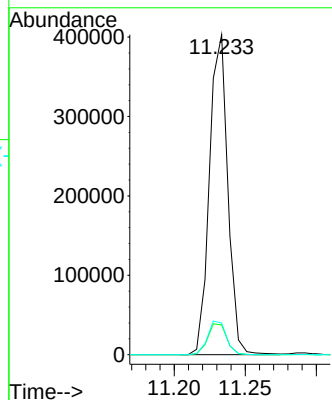
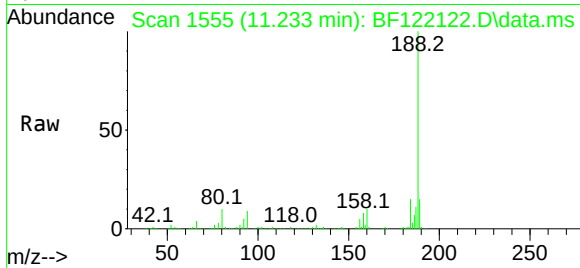




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.233 min Scan# 1555
Delta R.T. 0.000 min
Lab File: BF122122.D
Acq: 26 Oct 2020 18:40

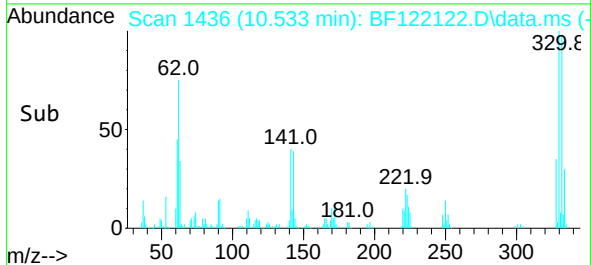
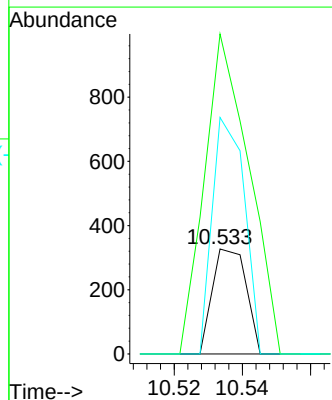
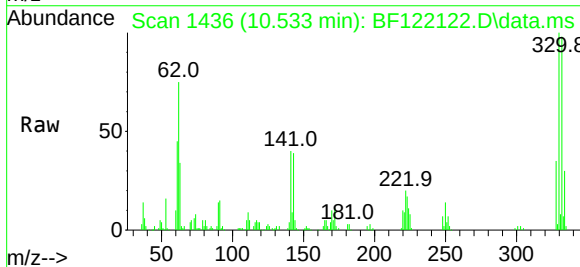
Instrument :
BNA_F
ClientSampleId :
COMP-2

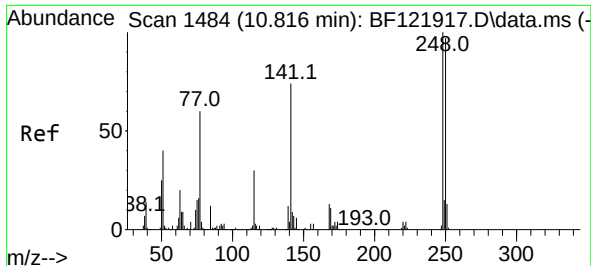
Tgt Ion:188 Resp: 363338
Ion Ratio Lower Upper
188 100
94 9.3 8.3 12.5
80 9.9 9.1 13.7



#65
4,6-Dinitro-2-methylphenol
Concen: 4.52 ng
RT: 10.533 min Scan# 1436
Delta R.T. 0.159 min
Lab File: BF122122.D
Acq: 26 Oct 2020 18:40

Tgt Ion:198 Resp: 225
Ion Ratio Lower Upper
198 100
51 304.9 29.6 69.6#
105 225.4 24.4 64.4#

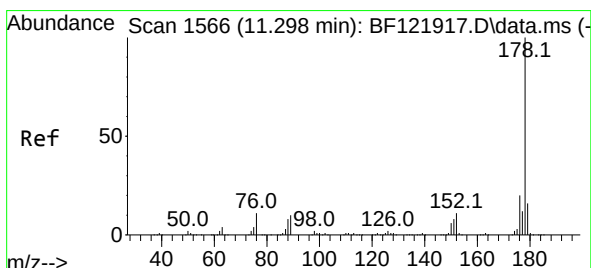
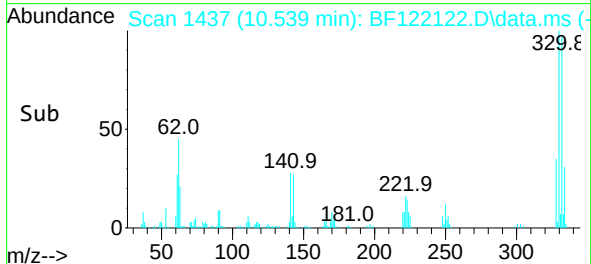
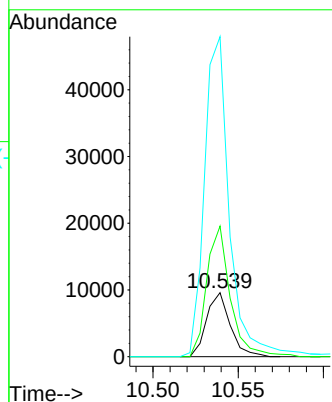
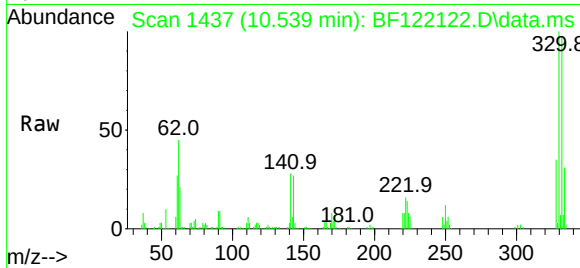




#67
4-Bromophenyl-phenylether
Concen: 2.20 ng
RT: 10.539 min Scan# 1437
Delta R.T. -0.235 min
Lab File: BF122122.D
Acq: 26 Oct 2020 18:40

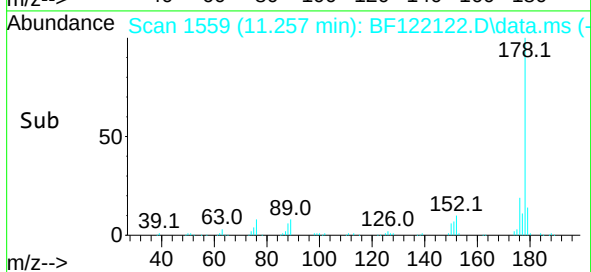
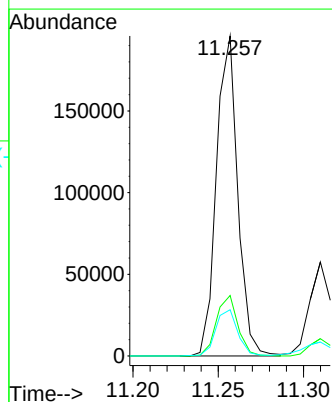
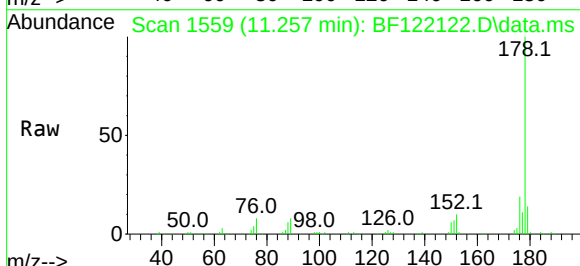
Instrument :
BNA_F
ClientSampled :
COMP-2

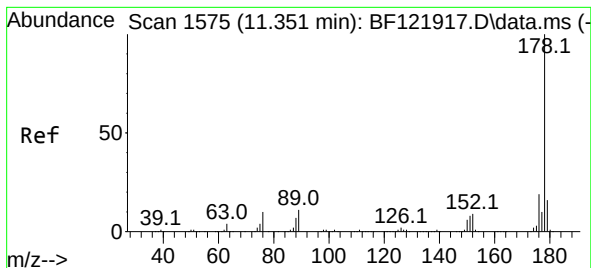
Tgt Ion:248 Resp: 9236
Ion Ratio Lower Upper
248 100
250 204.3 77.0 115.6#
141 500.5 53.7 80.5#



#71
Phenanthrene
Concen: 8.56 ng
RT: 11.257 min Scan# 1559
Delta R.T. -0.006 min
Lab File: BF122122.D
Acq: 26 Oct 2020 18:40

Tgt Ion:178 Resp: 170575
Ion Ratio Lower Upper
178 100
176 18.9 15.9 23.9
179 14.4 12.2 18.4

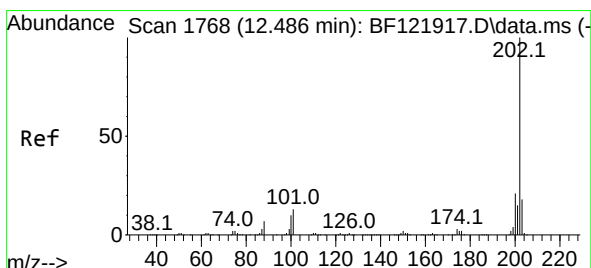
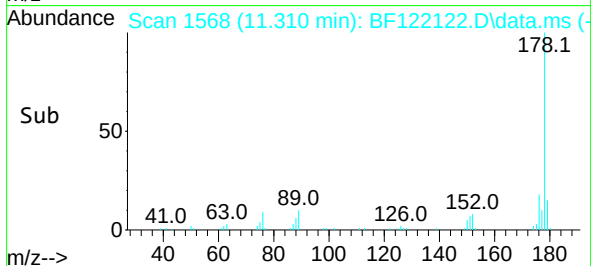
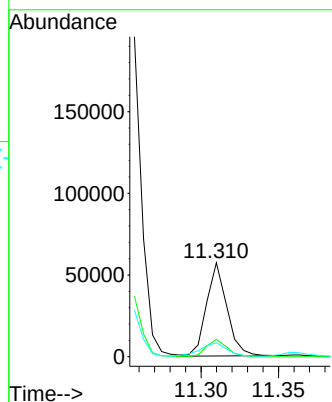
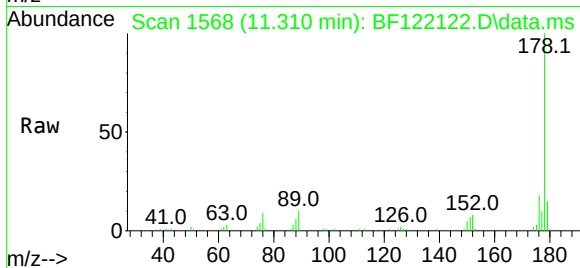




#72
 Anthracene
 Concen: 2.53 ng
 RT: 11.310 min Scan# 1568
 Delta R.T. -0.006 min
 Lab File: BF122122.D
 Acq: 26 Oct 2020 18:40

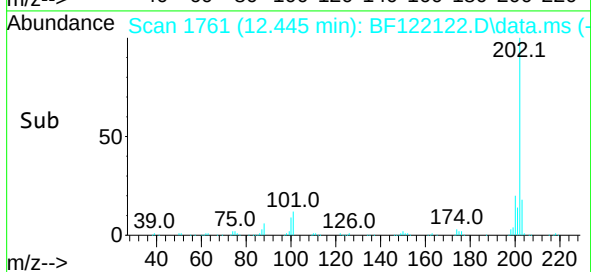
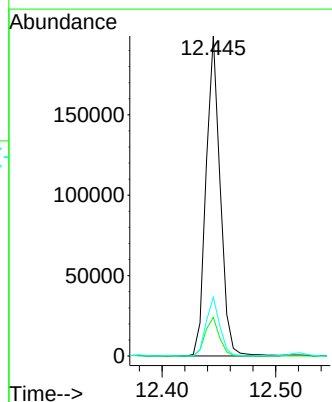
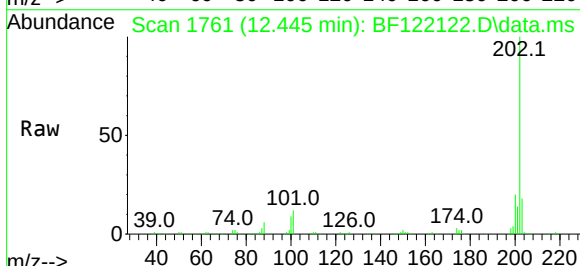
Instrument :
 BNA_F
 ClientSampled :
 COMP-2

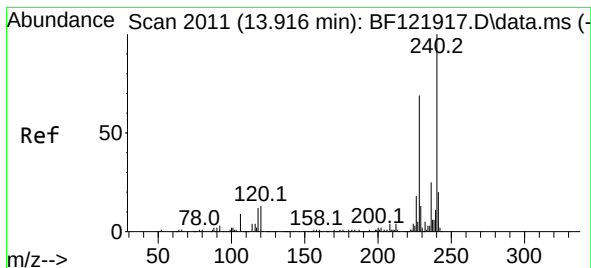
Tgt Ion:178 Resp: 52223
 Ion Ratio Lower Upper
 178 100
 176 18.4 15.7 23.5
 179 14.9 12.7 19.1



#75
 Fluoranthene
 Concen: 8.04 ng
 RT: 12.445 min Scan# 1761
 Delta R.T. -0.006 min
 Lab File: BF122122.D
 Acq: 26 Oct 2020 18:40

Tgt Ion:202 Resp: 171845
 Ion Ratio Lower Upper
 202 100
 101 12.1 0.0 33.4
 203 18.4 0.0 37.9





#76

Chrysene-d12

Concen: 20.00 ng

RT: 13.874 min Scan# 2004

Delta R.T. -0.006 min

Lab File: BF122122.D

Acq: 26 Oct 2020 18:40

Tgt Ion:240 Resp: 240286

Ion Ratio Lower Upper

240 100

120 10.4 9.2 13.8

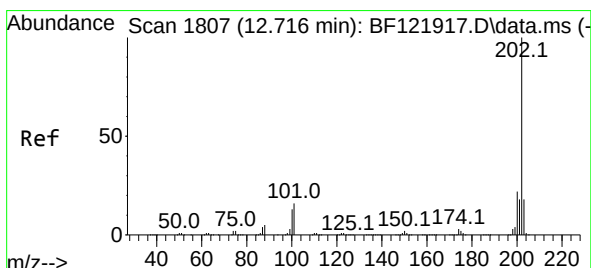
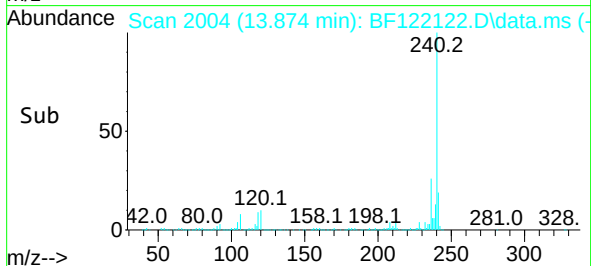
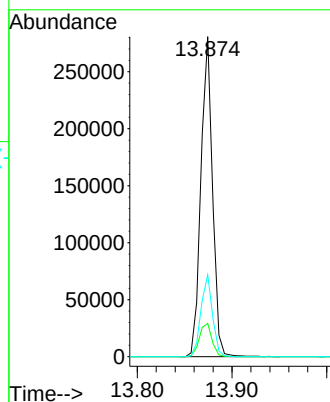
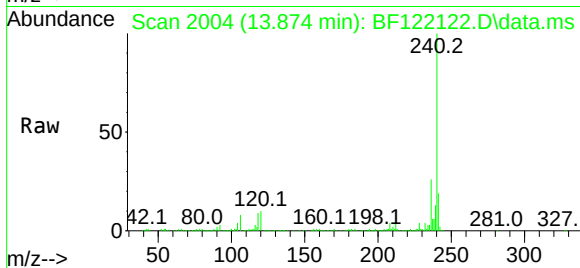
236 25.6 20.9 31.3

Instrument :

BNA_F

ClientSampleId :

COMP-2



#78

Pyrene

Concen: 7.85 ng

RT: 12.674 min Scan# 1800

Delta R.T. -0.006 min

Lab File: BF122122.D

Acq: 26 Oct 2020 18:40

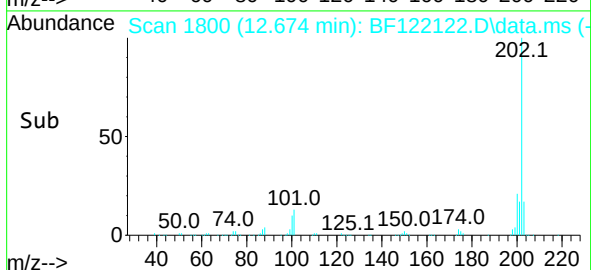
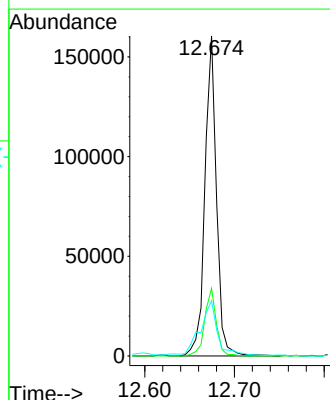
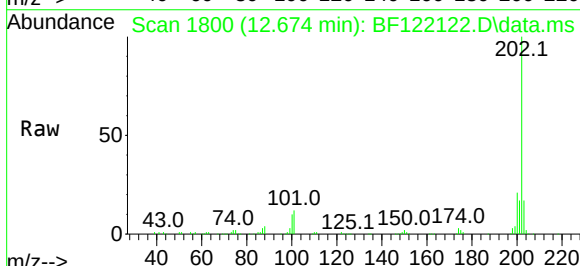
Tgt Ion:202 Resp: 143798

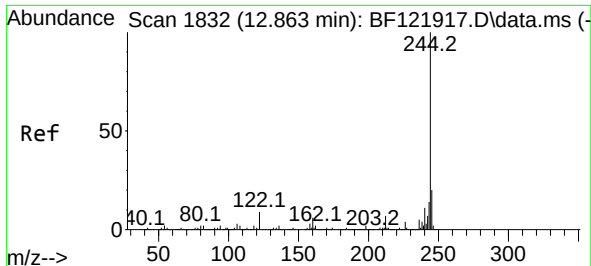
Ion Ratio Lower Upper

202 100

200 21.1 17.4 26.2

203 17.3 14.6 21.8

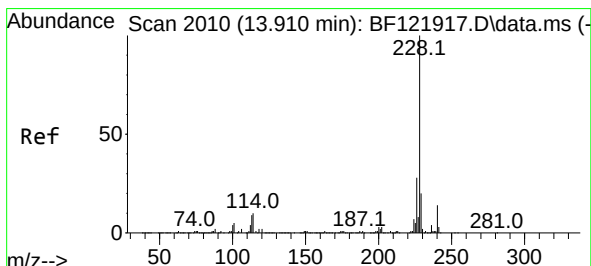
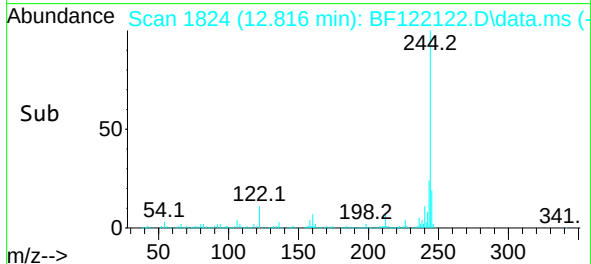
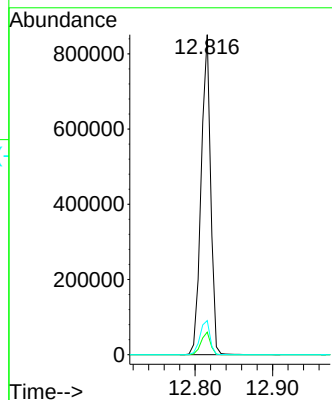
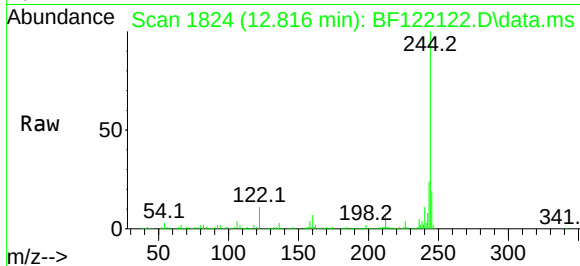




#79
 Terphenyl-d14
 Concen: 57.30 ng
 RT: 12.816 min Scan# 1824
 Delta R.T. 0.000 min
 Lab File: BF122122.D
 Acq: 26 Oct 2020 18:40

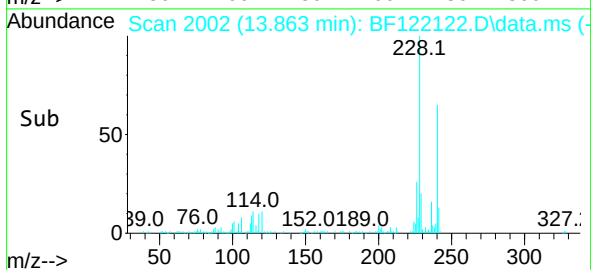
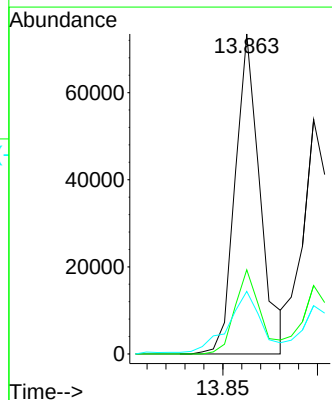
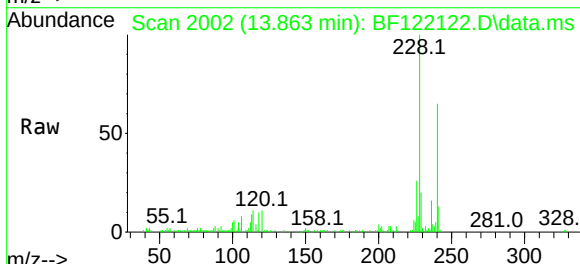
Instrument :
 BNA_F
 ClientSampleId :
 COMP-2

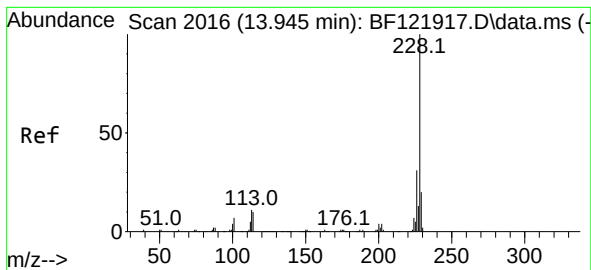
Tgt Ion:244 Resp: 722487
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.4 8.2
 122 10.6 8.1 12.1



#81
 Benzo(a)anthracene
 Concen: 4.26 ng
 RT: 13.863 min Scan# 2002
 Delta R.T. -0.006 min
 Lab File: BF122122.D
 Acq: 26 Oct 2020 18:40

Tgt Ion:228 Resp: 67047
 Ion Ratio Lower Upper
 228 100
 226 26.3 22.3 33.5
 229 19.5 16.2 24.4





#83

Chrysene

Concen: 3.39 ng

RT: 13.898 min Scan# 2008

Delta R.T. -0.006 min

Lab File: BF122122.D

Acq: 26 Oct 2020 18:40

Tgt Ion:228 Resp: 52452

Ion Ratio Lower Upper

228 100

226 29.2 24.6 37.0

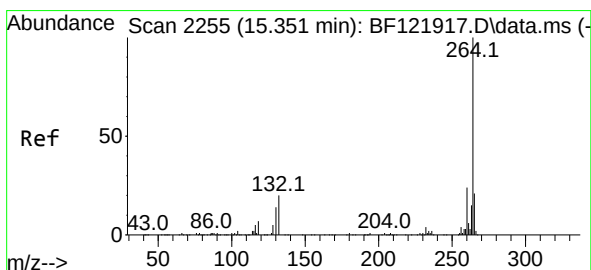
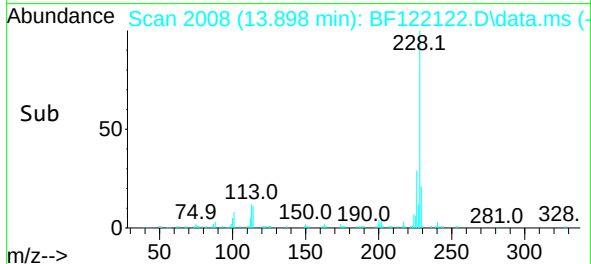
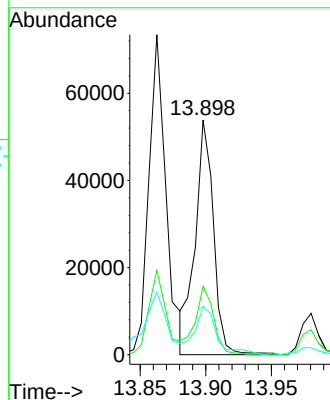
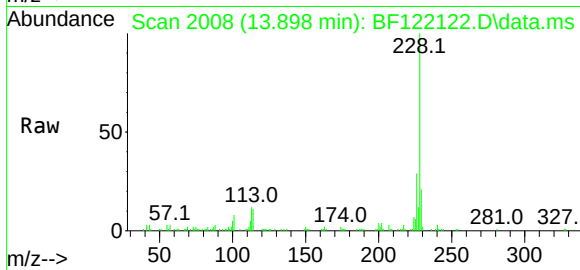
229 20.6 15.9 23.9

Instrument :

BNA_F

ClientSampleId :

COMP-2



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.304 min Scan# 2247

Delta R.T. 0.000 min

Lab File: BF122122.D

Acq: 26 Oct 2020 18:40

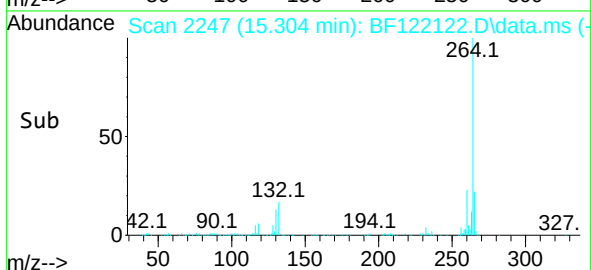
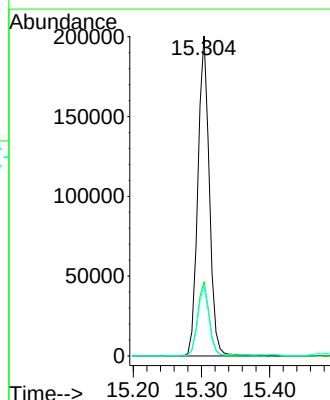
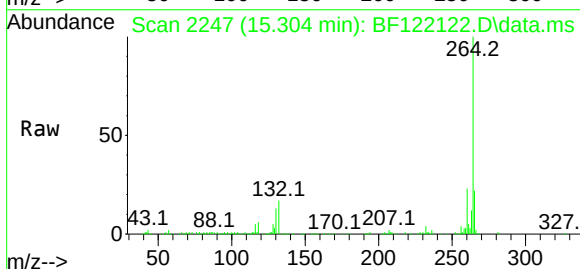
Tgt Ion:264 Resp: 232774

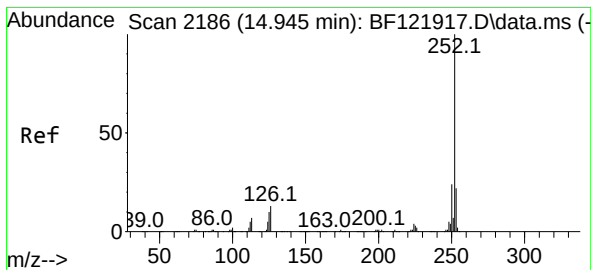
Ion Ratio Lower Upper

264 100

260 23.1 18.7 28.1

265 22.0 17.3 25.9

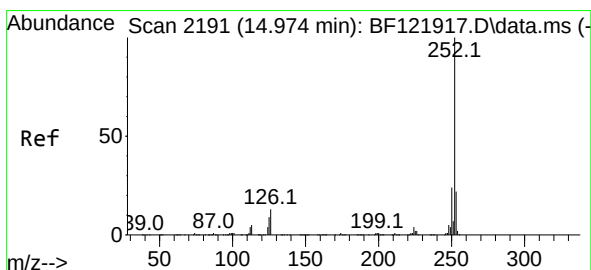
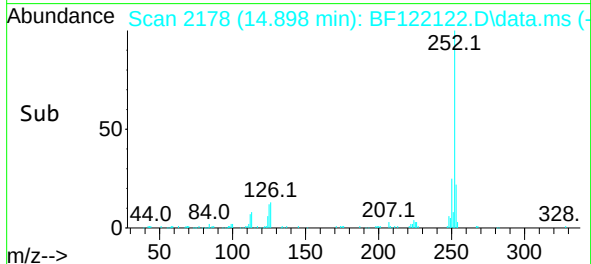
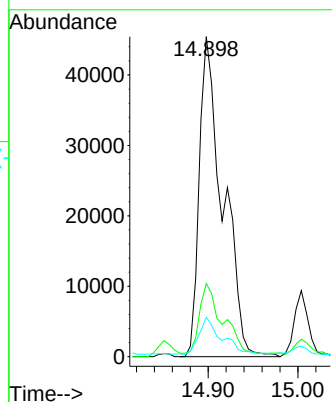
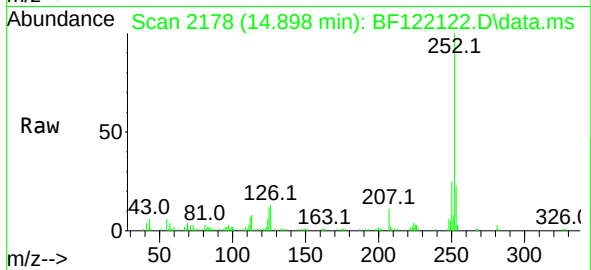




#88
Benzo(b)fluoranthene
Concen: 5.26 ng
RT: 14.898 min Scan# 2178
Delta R.T. 0.000 min
Lab File: BF122122.D
Acq: 26 Oct 2020 18:40

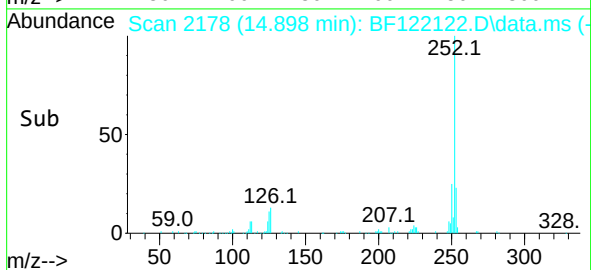
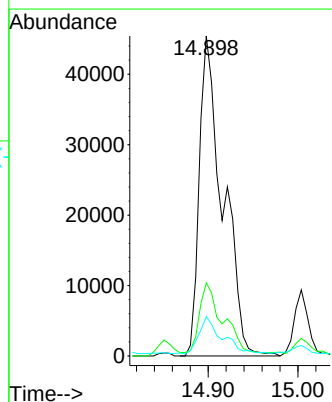
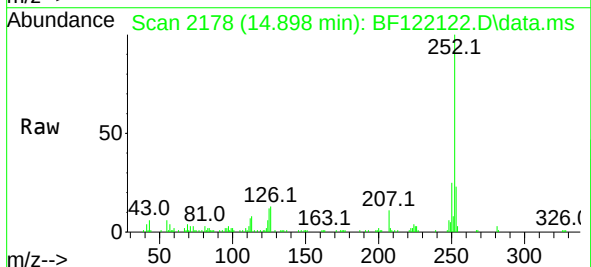
Instrument :
BNA_F
ClientSampleId :
COMP-2

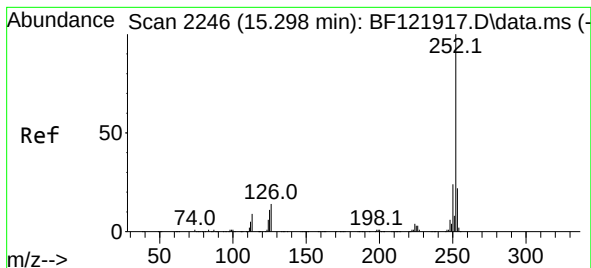
Tgt Ion:252 Resp: 82766
Ion Ratio Lower Upper
252 100
253 22.8 18.2 27.2
125 12.3 8.0 12.0#



#89
Benzo(k)fluoranthene
Concen: 5.54 ng
RT: 14.898 min Scan# 2178
Delta R.T. -0.029 min
Lab File: BF122122.D
Acq: 26 Oct 2020 18:40

Tgt Ion:252 Resp: 82766
Ion Ratio Lower Upper
252 100
253 22.8 17.8 26.6
125 12.3 7.7 11.5#





#90

Benzo(a)pyrene

Concen: 3.53 ng

RT: 15.245 min Scan# 2237

Delta R.T. -0.006 min

Lab File: BF122122.D

Acq: 26 Oct 2020 18:40

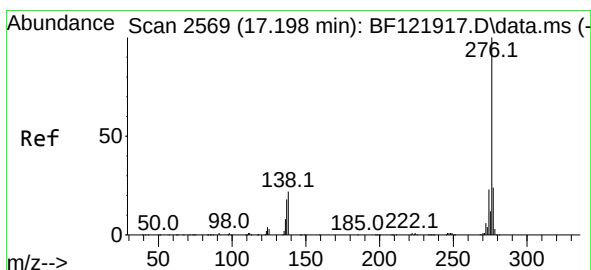
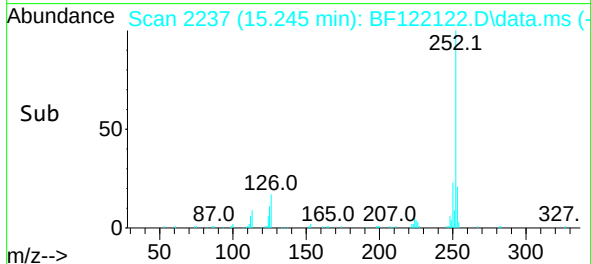
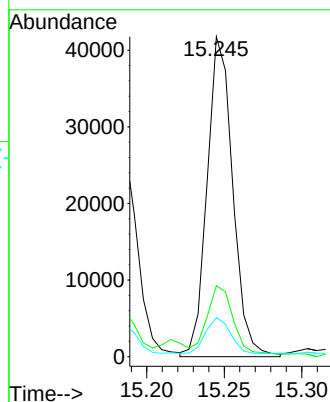
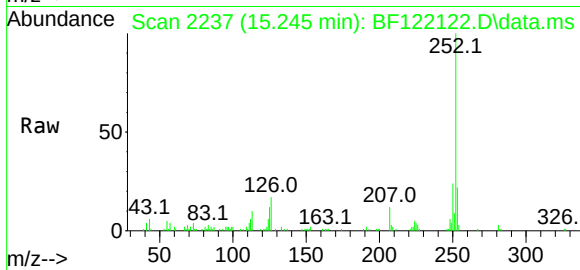
Tgt Ion:	252	Resp:	48022
Ion Ratio	Lower	Upper	
252	100		
253	22.2	17.3	25.9
125	12.3	8.6	13.0

Instrument :

BNA_F

ClientSampleId :

COMP-2



#92

Benzo(g,h,i)perylene

Concen: 2.27 ng

RT: 17.133 min Scan# 2558

Delta R.T. 0.000 min

Lab File: BF122122.D

Acq: 26 Oct 2020 18:40

Tgt Ion:	276	Resp:	28285
Ion Ratio	Lower	Upper	
276	100		
277	24.8	19.4	29.2
138	21.3	17.8	26.6

